FEB 1 0 2003

TECH CENTER 1600/2900

TRFP CHAIN 1, LEADER A

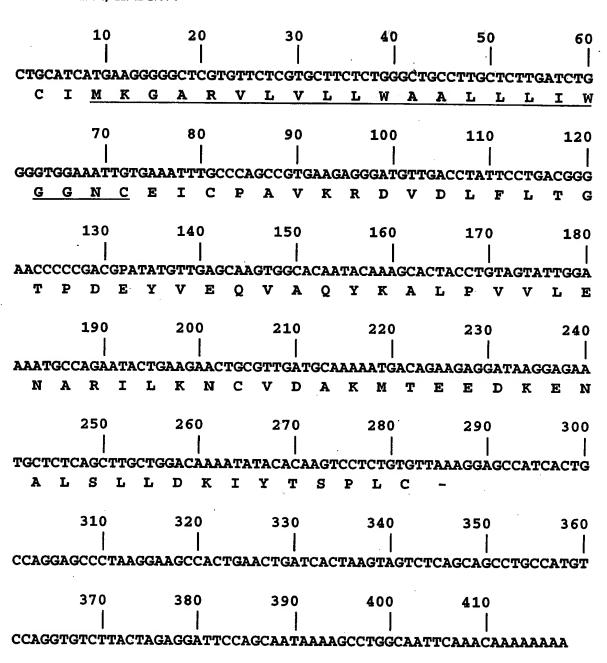


Fig. 1



TRFP CHAIN 1, LEADER B

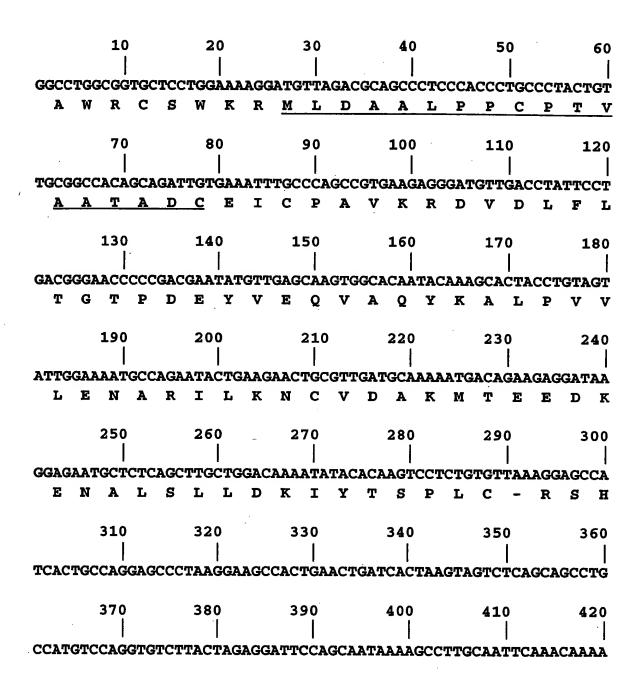


Fig. 2



TRFP CHAIN 2, LONG FORM

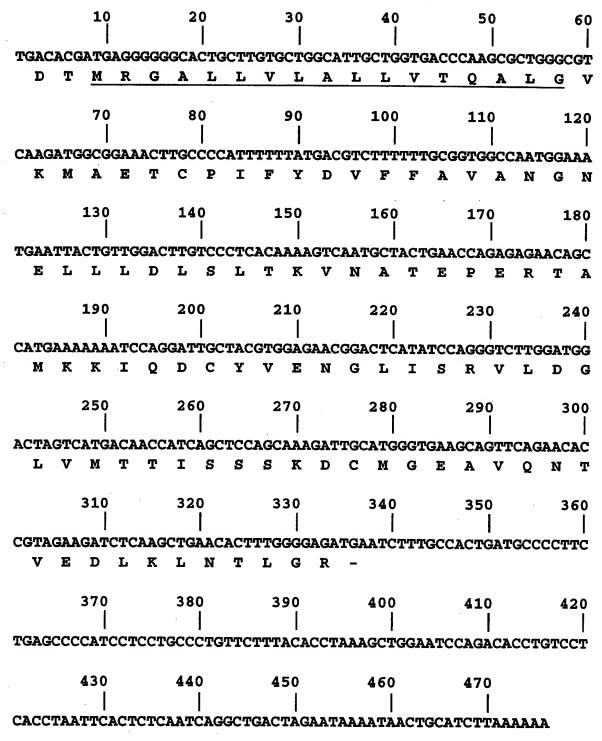


Fig. 3



TRFP1 CHAIN 2, SHORT FORM

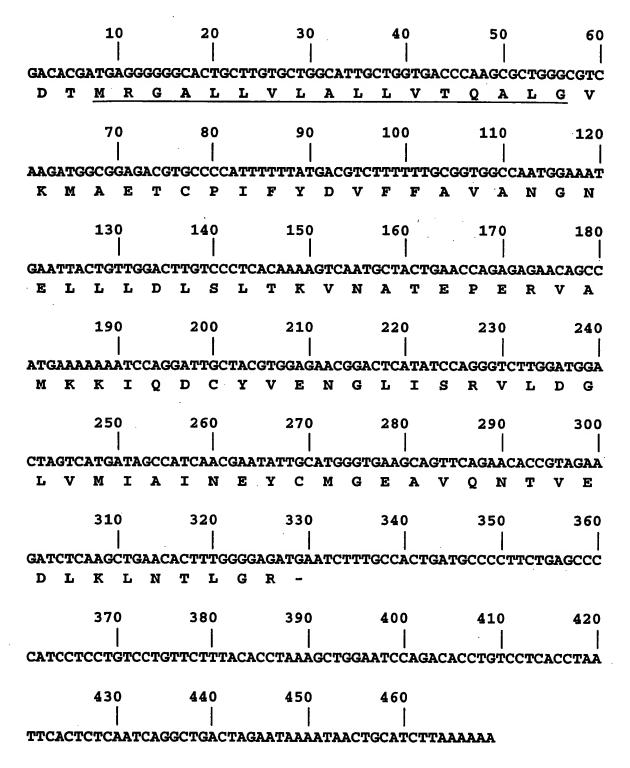


Fig. 4



TRFP CHAIN 2, TRUNCATED SHORT FORM

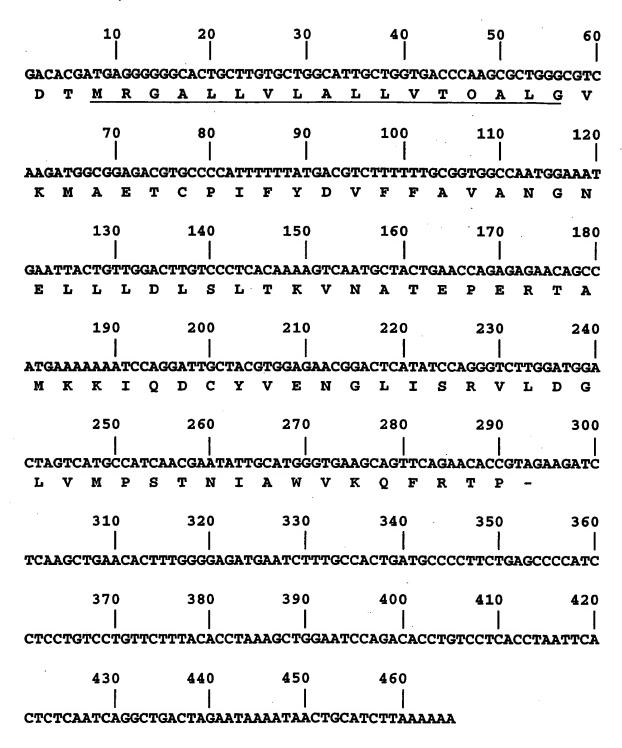


Fig. 5



TRFP CHAIN #1 PROTEIN SEQUENCE

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TRFP CHAIN #2 PROTEIN SEQUENCES

10 15 20 25 30 35 4 CPIFYDVFFAVANGNELLLDLSLTRVNATEPER		C2 Leader		C2L VRMAET	C2S	C2ST	PRO
DTMRGALLVLALLVTQAL 10 15 20 25 30 35 4 CPIFYDVFFAVANGNELLLDLSLTRVNATEPER			2	回			ı
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10 15 20 25 30 35 4 IFYDVFFAVANGNELLIDLSLTRVNATEPER							
DTMRGALLVLALLVTQAL 10 15 20 25 30 35 4 FYDVFFAVANGNELLLDLSLTRVNATEPER			•				
15 20 25 30 35 4 DVFFAVANGNELLLDLSLTRVNATEPER			01		ı		ı
15 20 25 30 35 4 VFFAVANGNELLIDLSLTRVNATEPER				⊭	ı		1
15 20 25 30 35 4 FFAVANGNELLIDLSLTRVNATEPER					1		1,
DTMRGALLVLALLVTQAL 15 20 25 30 35 4 FAVANGNELLLDLSLTRVNATEPER					1		i
20 25 30 35 4 AVANGNELLLDLSLTRVNATEPER			-				-
20 25 30 35 4 VANGNELLIDLSLTRVNATEPER			Ŋ				
20 25 30 35 4 ANGNELLIDISLTRVNATEPER							
20 25 30 35 4 NGNELLLDLSLTRVNATEPER							
DTMRGALLVLALLVTQAL 20 25 30 35 4 GNELLDLSLTRVNATEPER X							
DTMRGALLVLALLVTQAL 25 30 35 4 NELLDLSLTRVNATEPERX			20				
DTMRGALLVLALLVTQAL 25 30 35 4 ELLLDLSLTRVNATEPERX							
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Fig. 7A

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Fig. 7B



PATIENT # 131.2 2° (TRFP:1°)

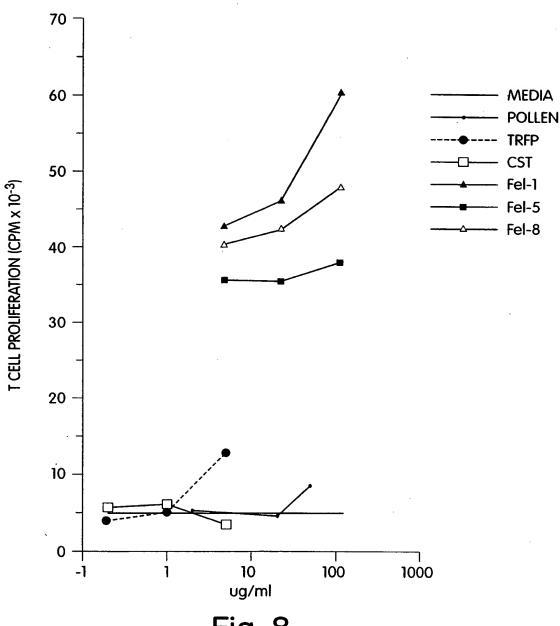


Fig. 8



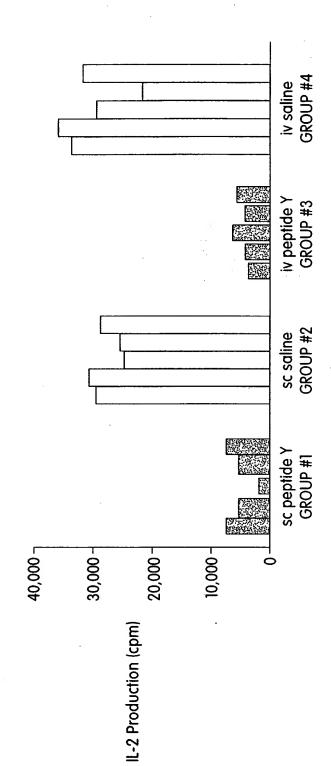
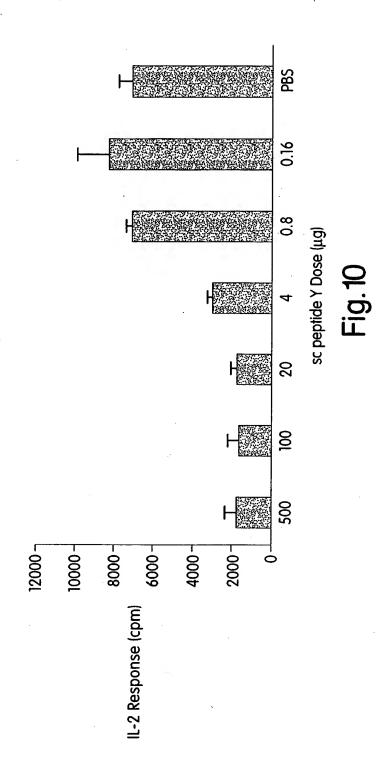
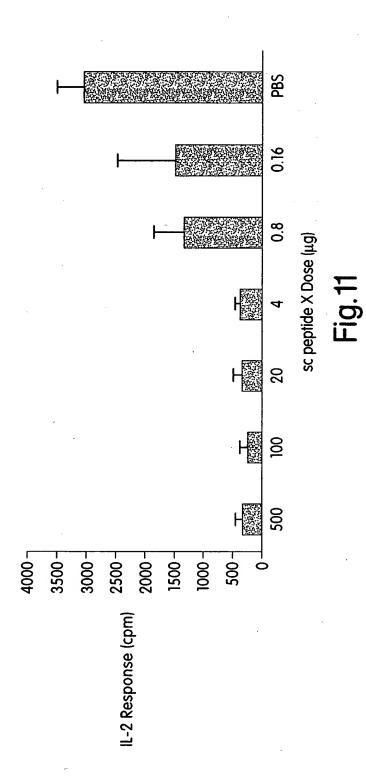


Fig. 9

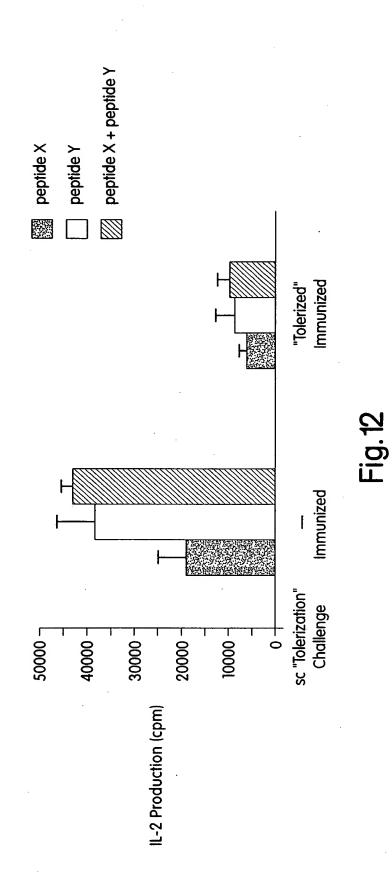














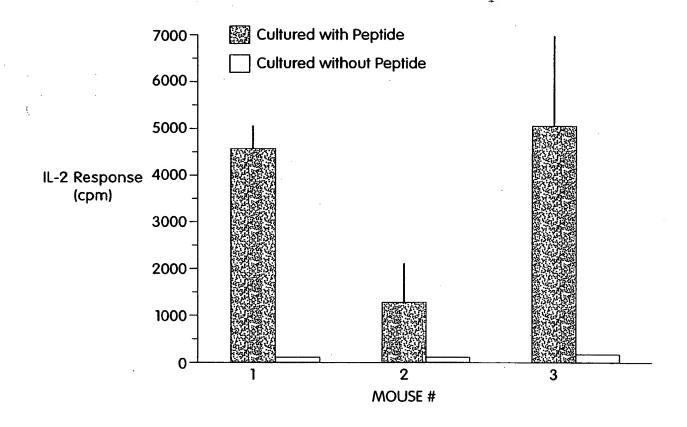


Fig. 13



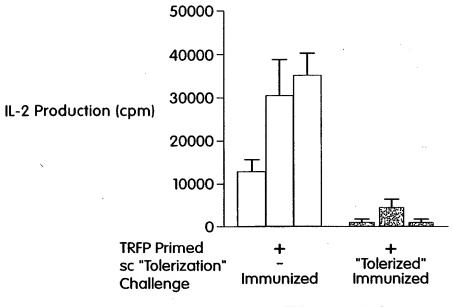


Fig. 14A

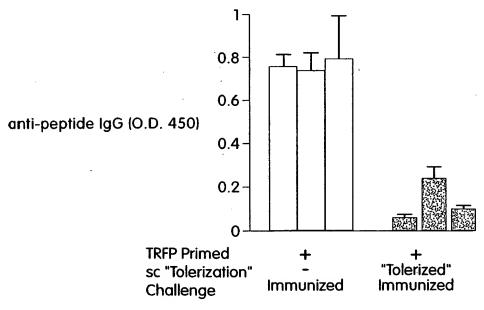
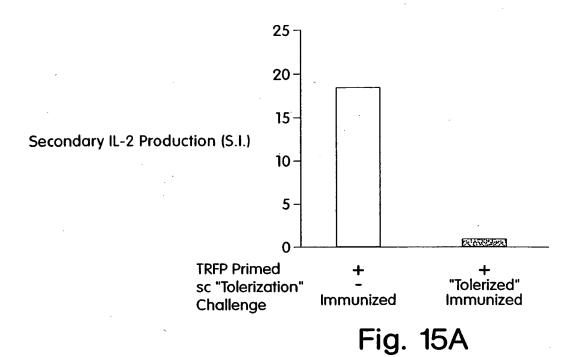
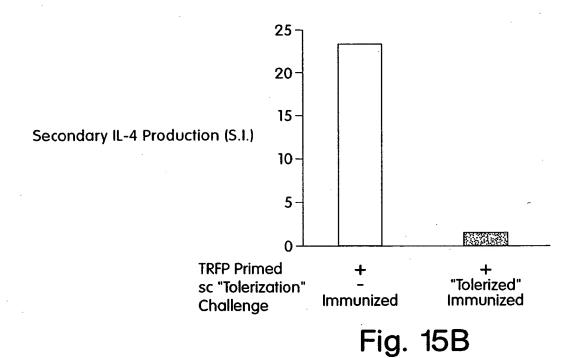


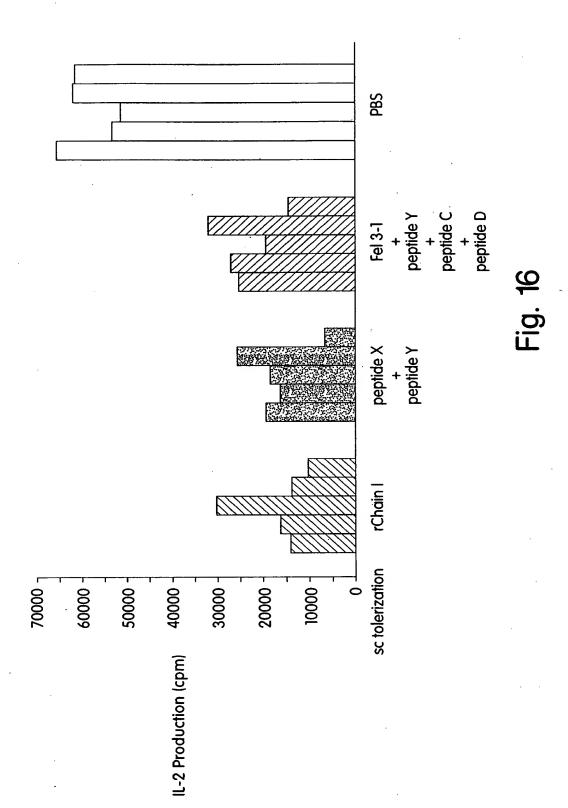
Fig. 14B













SEQUENCE

PEPTID	١
NAME	

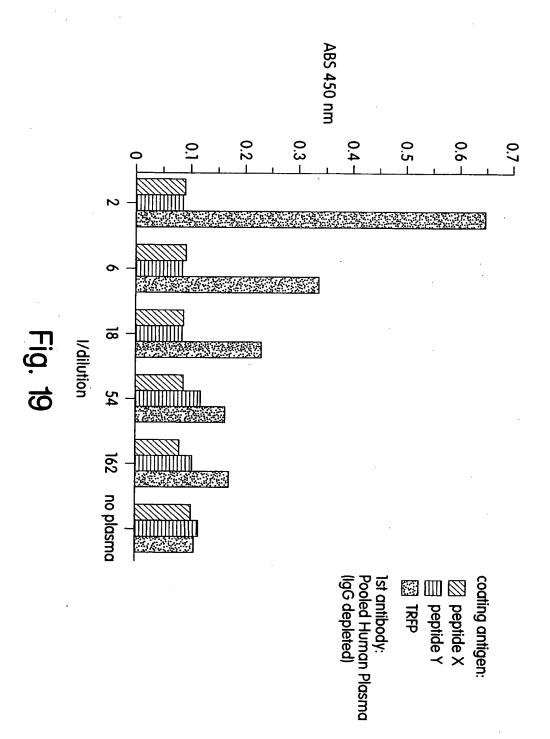
C	KRDVDLFLTGTPDEYVEQVAQYKALPV
•	KALPVVLENARILKNCVDAKMTEEDKI
3	FFAVANGNELLLDLSLTKVNATEPER
7	EEDKENALSLLDKIYTSPL
3	MGEAVQNTVEDLKLNTLGR
3	EEDKENALSLLDKIYT
)	NALSLLDKIYTSPL



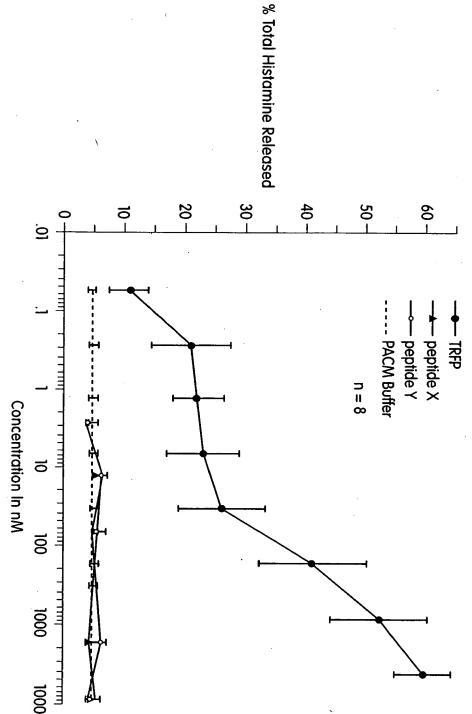
Fel	32	VKMAETCPIFYDVFFAVA
Fel	33	FYDVFFAVANGNELLLD
Fel	34	NGNELLLDLSLTKVNATE
Fel	35	SLTKVNATEPERTAMKKI
Fel	36	ERTAMKKIQDCYVENGL
Fel	37	QDCYVENGLISRVLDGLV
Fel	38	ISRVLDGLVMTTISSSKDCM
Fel	38-1	ISRVLDGLVMIAINE * * DCM
Fel	39	MTTISSSKDCMGEAVQNTEVELDKLNTLGF
Fe1	39.1	MIAINE * * DCMGEAVONTEVELDKLNTLGF

Fig. 18











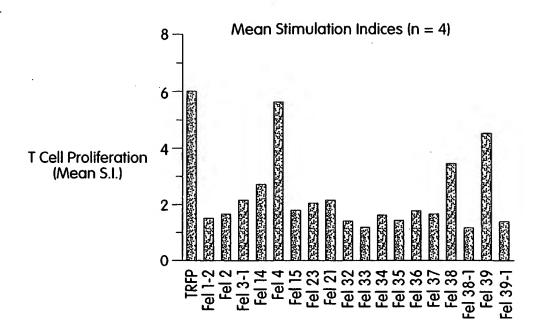


Fig. 21A

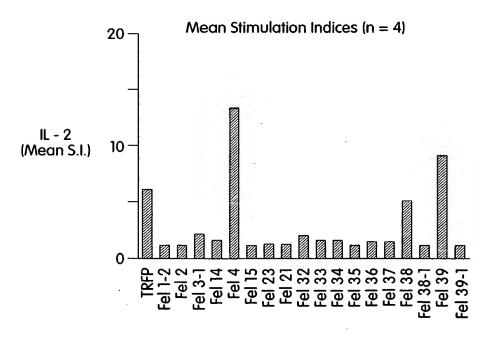


Fig. 21B



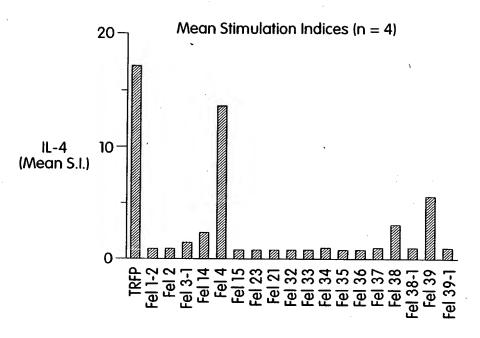


Fig. 21C

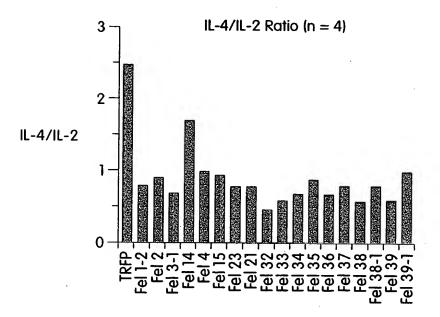
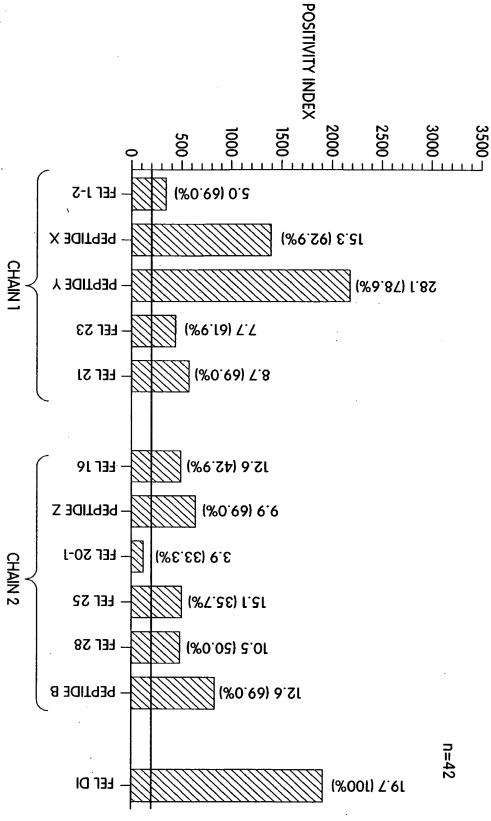
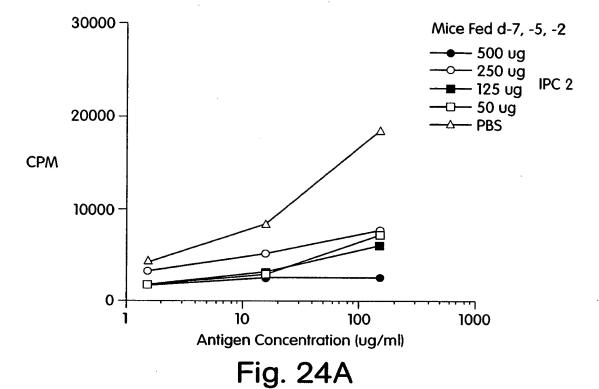


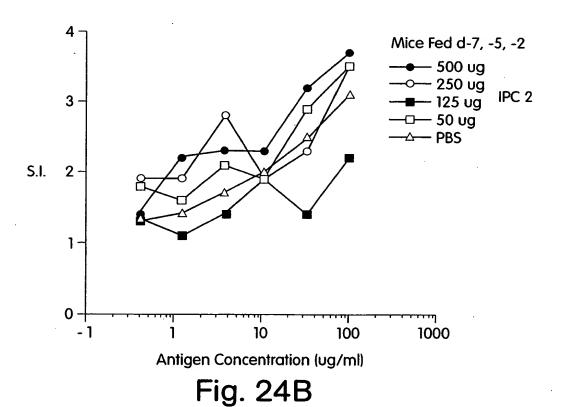
Fig. 22



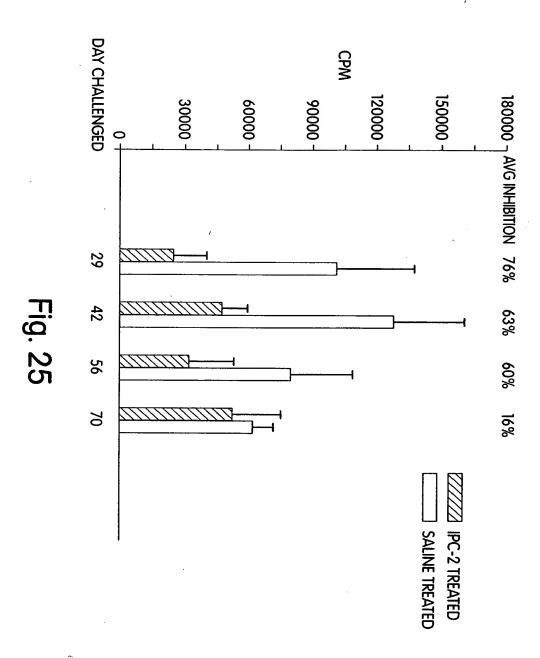














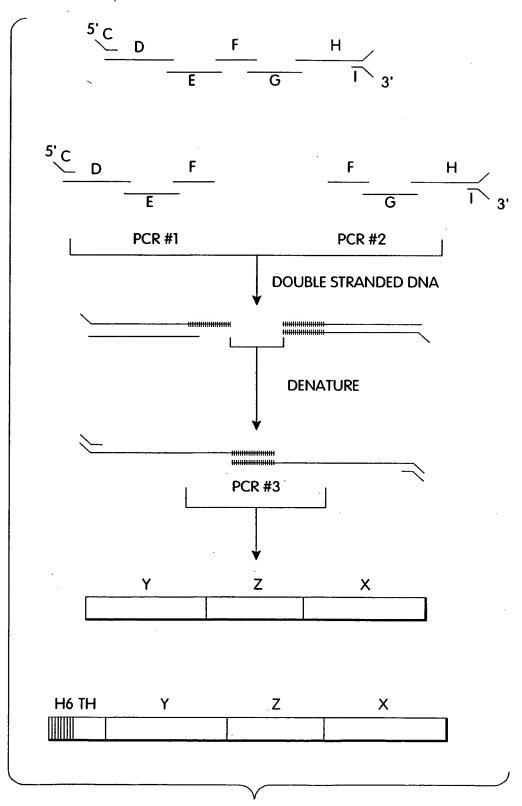


Fig. 26



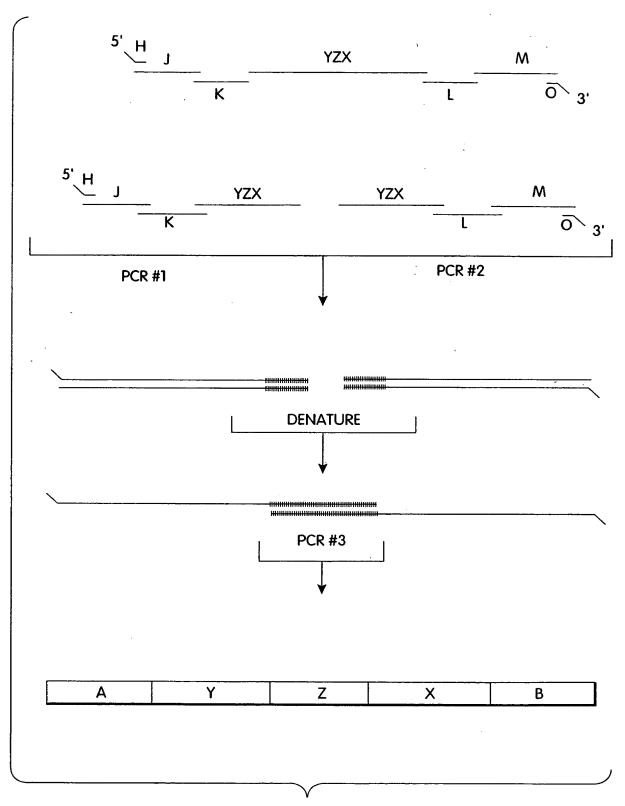


Fig. 27



BAM HI
5' GGGGGATCCAAAGCTCTGCCGGTTGTT 3'

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K A L P V V

GGGGGATCCAAAGCTCTGCCGGTTGTTCTGGAAAACGCTCGTATCCTGAAAAACTGCGTTGACGCTAAAATGACCGAA A > ပ Z ĸ Н Н 4 闰 > > ρι ᆸ GAAGACAAAGAA 3'

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ACCEGTACCCCGGACGAATACGTTGAACAGGTTGCTCAGTACAAAGCTCTGCCGGTTTAGTAGTCTAGACTGCAGAAG Ø CTTGGATCCCC 3' <u>.</u>

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Fig. 28A

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Fig. 28F

ATGGGTCACCACCACCACCACGAATTCCTGGTTCCGCGTGGATCC

AAAGCTCTGCCGGTTGTTCTGGAAAAACGCTCGTATCCTGAAAAAACTGC K A L P V V L E N A R I L K N C

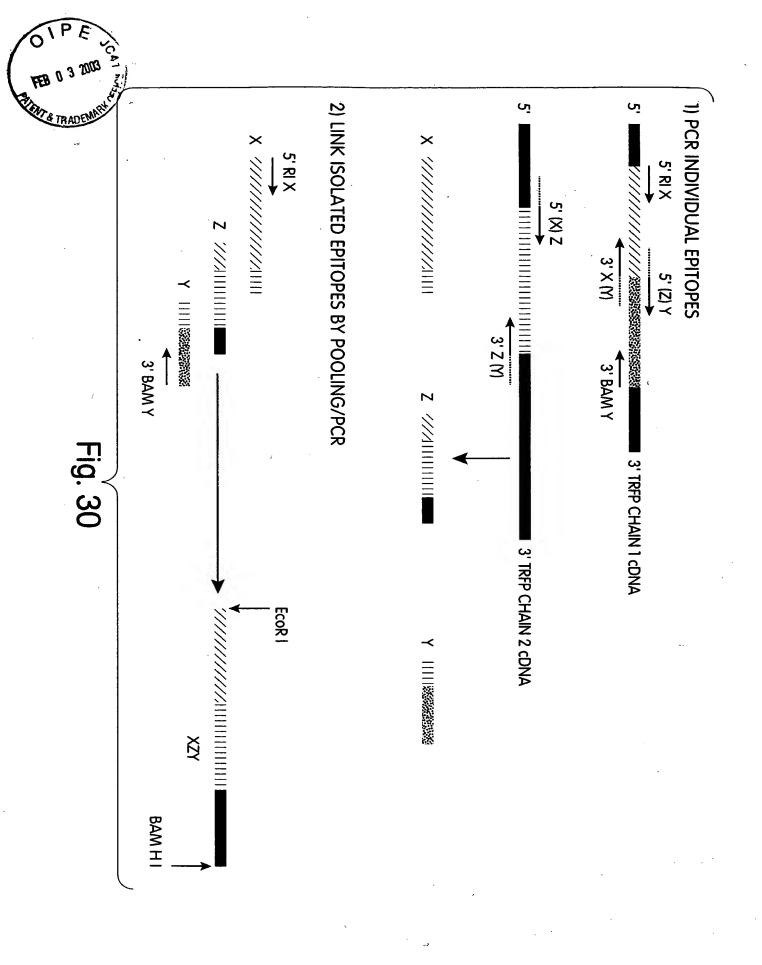
GTTGACGCTAAAATGACCGAAGAAGAACAAAGAATTCTTCGCTGTTGCT V D A K M T E E D K E F F A V A

AACGGTAACGAACTGCTGCTGGACCTGACCAAAGTTAACGCT N G N E L L L D L S L T K V N A

ACCGAACCGGAACGTAAACGTGACGTTGACCTGTTCCTGACCGGTACC
T E P E R K R D V D L F L T G T

PDEYVEQVAQYKALPV

PDEYVEQVAQYKALPV





5' PRIMERS

XZY CONSTRUCT

YXZ CONSTRUCT

K A L P V V
5' YRI 5'-GGGGAATTCAAAGCACTACCTGTAGTA-3'
ECOR I Y

D K E K R D V D L
5' (Y) X 5'-GATAAGGAGAAGAGGGATGTTGACCTA-3'
Y X

L P V F F A V A N
5'(X) Z 5'-CTACCTGTATTTTTTGCGGTGGCCAAT-3'
X Z

ZXY CONSTRUCT

F F A V A N G
5' ZRI 5'-GGGGAATTCTTTGCGGTGGCCAATGGA-3'
ECOR I Z

K R D V D L P
5'(Z) X 5'-AAGAGGGATGTTGACCTATTC-3'
X

Fig. 31A



3' PRIMERS

XZY CONSTRUCT

3' Y BAM 5'-GGGGATCCTTACTCCTTATCCTCTTCTGT-3'
BAMH I Y

YXZ CONSTRUCT

CL CD CV CD CR CK CD CE CE CT

3' Y (X) 5'-TAGGTCAACATCCCTCTTCTCCTTATCCTCTTCTGT-3'

X Y

CA CF CF CV CP CL CA CK CY

3' X (Z) 5'-CGCAAAAAATACAGGTAGTGCTTTGTA-3'

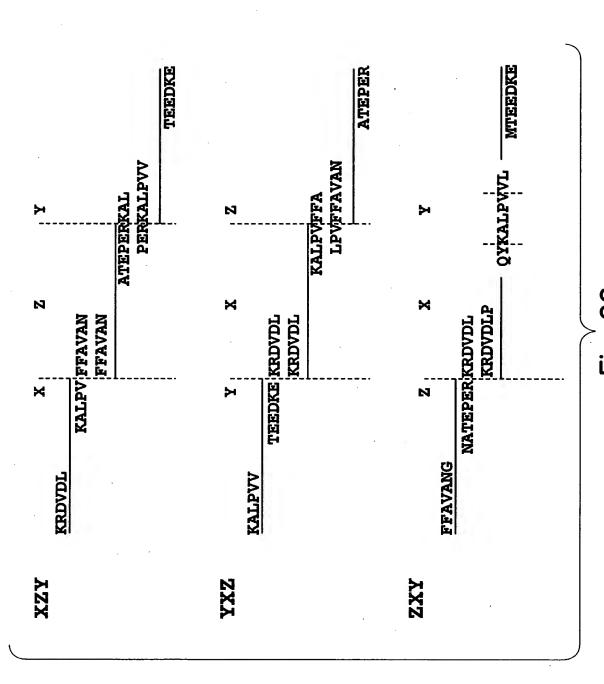
Z X X

ZXY CONSTRUCT

 α L α D α V α D α R α K α R α E α P α E α T α A α N 3' Z (X) 5'-TAGGTCAACATCCCTCTTTCTCTCTGGTTCAGTAGCATT-3' X Z

αstopαe ακ αd αε ατ α**m** 3' y bam 5'-gg<u>ggatcc</u>tcactccttatcctcttctgtcat-3' bamh i y







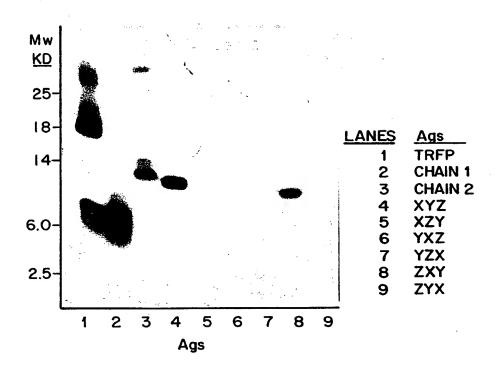
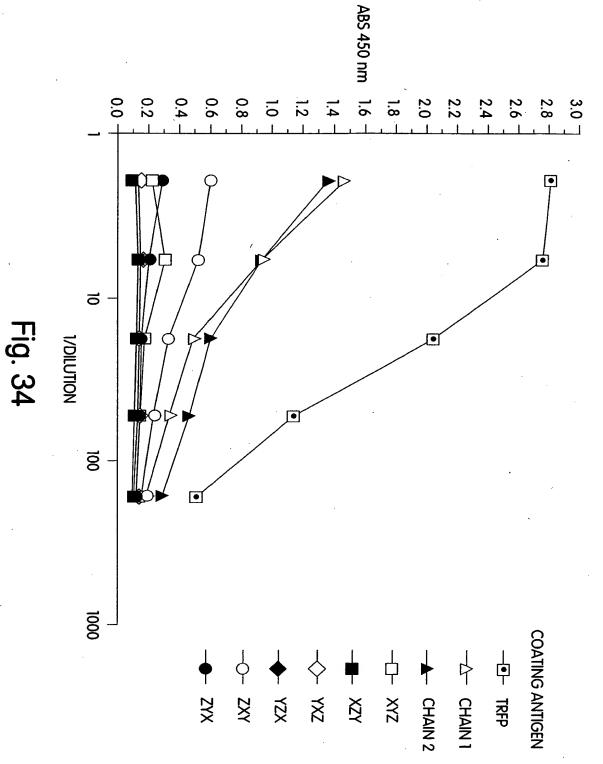
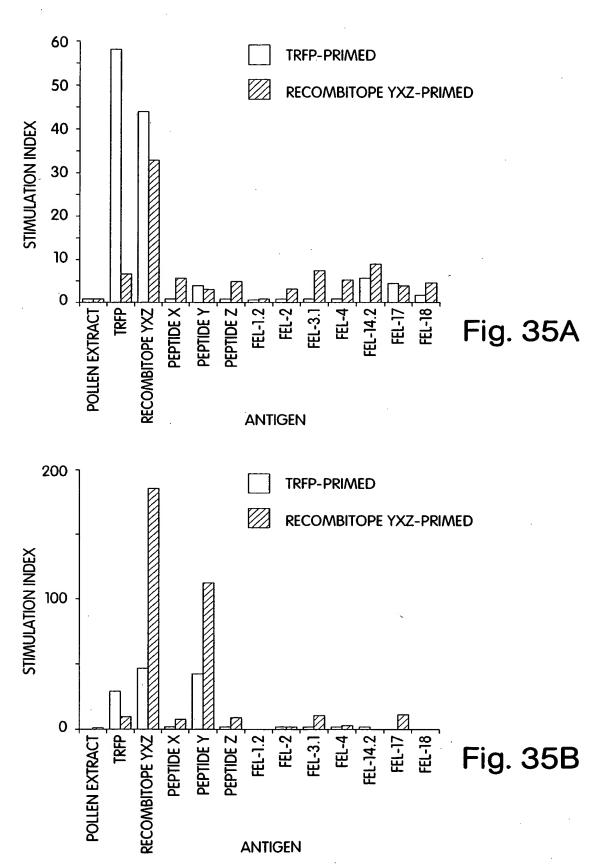


Fig. 33











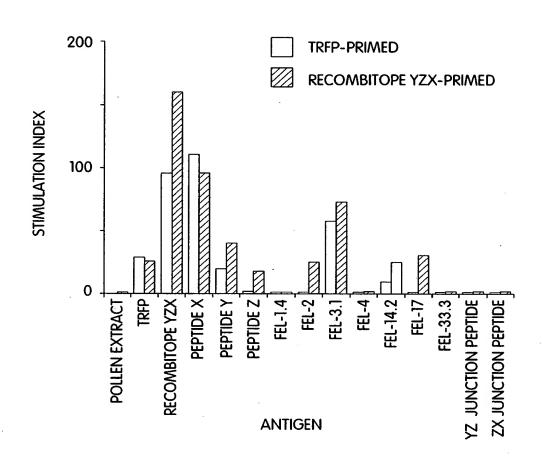


Fig. 35C



